Original/Duplicate/Triplicate

CONTRACT CERTIFICATE

Job Code Number: **003-16-000002** Budget Head :

N **2nd & Final bill** Date: Est Cost: **200.00 Lacs**

Division **Project**

Bill Received No. ..... Date..... Cash Book Voucher No..... dated.....

Scheduled Docted No.

Name of Work (as per sanctioned estimate) **Developmental Works to Vivekananda Park in Ward no-03 New town**

Name of Contractor and Full Address:M/s KRIDL, **Bangalore**

Reference to Agreement No.**EE(Project)/YNK Zone/AG/39/2017-18 Dated: 04-07-2017**

Certified that the measurement were taken by me on 24.02.2018 and recorded of pages **18012 to 18033** of measurement Book No **06/2017-18** nd that the work is satisfactorily executed.

Contractor Officer-In-Charge of work

Assistant Executive Engineer
Byatarayanapura Sub-Division
KRIDL, BBMP, Bangalore

Certified that the measurements were taken by me on 24/2/18 And found correct. the work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account II have been actually brought to site of

if Memorandum of Payment	**Sub-Division Officer**
1) Total value of work done or supplies made as per account within	
2) Deduct amount to be held in reserve being.....percent Rs.....	
3) Deduct amount to be held in Balance	
4) Deduct Payments:	
a) Amount of previous payment as in the office Cash Book Voucher No.....Dated .....S.D No.....	Total Rs: 19209763-00 Es-4 part 13.41 Rs: 18606504-00
Amount adjusted towards cash advance recovery of	Final Rs: 603259-00
b) Payments cost store or other materials supplied	2% IT - 12065-00
Now made recovery of amount creditable to this/other work	1% Cess - 6033-00
Amount paid on this bill Cheque/Cash	0.1% CBF - 603-00
5) Balance being unpaid value of work done held in reserve	LR - 550-00
6) Deduct cash advance made on the Office Cash Book Voucher No..... dated..... less adjustments	5% FSD - 30163-00
7) Net amount due to or from contractor	Adj: 49414-00
Unadjusted items	
8) Advance to contractor for materials brought to site (as detailed) with Value of Government materials supplied	Cheque: 553845-00

Contractor's Signature

Assistant Executive Engineer
Byatarayanapura Sub-Division
KRIDL, BBMP, Bangalore

Received Rs.....(in words)

.....

by cash and by adjustment of Payment as per memorandum.

Witnesses:

1

2

Dated..... Signature of Contractor

Stamp

(For use in the Office)

Audited & Admitted for Rs.....
Rs: 6.03,259-00

Rs: 553845-00 by Cheque
and Rs. 49414-00 by Adjustment

Paid by me by cheque No.....dated.....

Cast Rs.....dated.....

Initials of Officer making payment

Accts. Supdt.
Project Division
B.B.M.P.
10/08.

Executive Engineer

Exe. Engineer
Project Division
B.B.M.P

13/8

Sl No	Item Name	Unit
1	Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications, specification. No. KBS 2.1(b)/2:3.5 (BCSR 2016-2017, Page 5, Item No 2.4)	cum
2	Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM of machinery, curing complete as per specifications.Specification No. KBS 4.1,4.2 (BCSR 2016-2017, Page 12, Item No 4.3)	cum
3	Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6 stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 (I No-34.8.2,P No-254)	cum
4	Providing and constructing granite / trap / basalt size stone masonry in superstructure with cement mortar & edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, scaffolding, curing complete as per specifications. KBS 5.1.13 - do - with cement mortar 1:4 (I No-34.10.2,P No-254)	cum
5	KSRB 4-1 .6 ; Providing and laying in position **plain cement concrete of mix 1:2:4** with cement@ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 ems. thick, well compacted, in foundation, plinth and cills, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications.(BCSR 2016-2017, Page 12, Item No 4.6)	cum
6	KSRRB 300-58. Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications. MORTH / Chapter 3 (P.No-149, I No-19.64)	Sqm
7	KSRRB M300-Construction of Embankment with Material Gravel/Murrum KSRRB M300-53. Construction of embankment with approved material Gravel /Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300-2 complete as per specifications, including cost of gravel / murrum, watering charges & compaction by vibratory roller to 95% of proctors density. MORTH Specification No. 305.(BCSR 2016-2017, Page 148, Item No 19.60)	cum
8	KSRB 2.6 : Providing and filling sand in foundation upto plinth to required depth for sub soil treatment including watering ramming with all lead and lift complete as per specifications, specification. No. KBS 2.10.2 (BCSR 2016-2017, Page 6, Item No 2.13)	cum
9	KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of Design mix M20 with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.460 cum, with super plasticisers @ 3 liters confirming to is 9103-1999 reafirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars, posts, stmts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1,4.6 (BCSR 2016-2017, Page 13, Item No 4.11)	cum

Approved Qty	Previous Measurements		Present Measurements			Total Up to Date		Remarks
	Qty	Amount	Qty	Rate	Amount	Qty	Amount	
1953.67	1953.41	854890.35	0.00	437.64	0.00	1953.41	854890.35	
169.69	169.69	891951.73	0.00	5256.36	0.00	169.69	891951.73	
380.53	380.53	1720741.44	0.00	4521.96	0.00	380.53	1720741.44	
369.21	369.21	2150441.49	0.00	5824.44	0.00	369.21	2150441.49	
53.06	53.06	311795.42	0.00	5876.28	0.00	53.06	311795.42	
4554.55	4410.00	23814.00	0.00	5.40	0.00	4410.00	23814.00	
1683.60	1659.14	541145.10	24.00	326.16	7827.84	1683.14	548972.94	
227.73	227.73	525099.83	0.00	2305.80	0.00	227.73	525099.83	
119.47	119.47	775584.90	0.00	6491.88	0.00	119.47	775584.90	

Sl No	Item Name	U
10	KSRB 4.9.2: Providing TMT steel reinforcement for RCC works including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3. - do - TMT bars Fe 500. (BCSR 2016-2017, Page 17, Item No 4.46.2)	
11	KSRB 4-6.1 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specificaitons. Specification No. KBS 4.6.2(BCSR 2016-2017, Page 15, Item No 4.28)	S
12	KSRB 4-7 : Providing 2 legged scaffolding for stone masonry work using 10-15 cms. dia best quality casurina poles of 4m over all length (3m +0.5m projection + 0.5m In to the ground), the distance between two rows being 1.25m and spacing of posts being 2m in both rows with 2 horizontal posts with,0.5 mm overlap on either side and braces at 2 m c to c including longitudinal and transveres middle braces to step up and providing platform with casurina poles, forms tied up using coir rope complete as per>specifications. Specification No. KBS Scaffolding for stone masonry converted to cum. (BCSR 2016-2017, Page 17, Item No 4.43.2)	c
13	Providing and fixing for flooring 20mm thick gang saw water cut sadarhalli grey granite in CM 1:4 proportion, cut to required shape, pattern with paper joints, finished with cement mortar using white cement and colour pigments to match the colour of slab making through jointing with sealant, groves in joints including cost of curing - do - minimum width of 900mm (BCSR 2016-2017, Page 109, Item No 14.61.2)	S
14	Providing full nosing for 20mm thick granite slab using required machinery including costand conveyance of all materials, labour for all items of work, HOM of equipment etc., complete as per specification (BCSR 2016-2017, Page 108, Item No 14.55)	
15	KSRB15-3.10 : Providing 20mm thick cement plaster in single coat with cement mortar 1:3, to stone masonry & concrete surface including rounding off corners wherever required smooth rendering,: Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. (BCSR 2016-2017, Page 114, Item No 15.18)	S
16	KSRB 15-16.1 : Providing and finishing external walls with primer in two coats with waterproof cement paint of approved brand and shade to give an even shade after thpoughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. (BCSR 2016-2017, Page 118, Item No 15.53.2)	S

Approved Qty	Previous Measurements		Present Measurements			Total Up to Date		Remarks
	Qty	Amount	Qty	Rate	Amount	Qty	Amount	
6.67	6.67	509114.00	0.00	76329.00	0.00	6.67	509114.00	
240.66	240.66	60039.86	0.00	249.48	0.00	240.66	60039.86	
1332.25	1332.25	326614.41	0.00	245.16	0.00	1332.25	326614.41	
706.39	706.39	1441120.37	0.00	2040.12	0.00	706.39	1441120.37	
457.00	457.00	117467.28	0.00	257.04	0.00	457.00	117467.28	
363.75	363.75	101748.15	0.00	279.72	0.00	363.75	101748.15	
416.92	416.92	37822.98	0.00	90.72	0.00	416.92	37822.98	

Sl No	Item Name	
17	Fabrication supplying and erecting M.S. tubular trusses of all spans as per approved drawing & design with prefabricated steel applications using quality material and are durable, reliable and corrosion and abrasion resistant. Welding shall confirm to latest structural welding code. Quality shall be on various parameters like shape, size, design gauge and polish. The entire trusses is anchored in RCC column by using 4 nos of M.S. anchor bolts at each support with 10mm thick base plate and shoe plate. The work includes cutting, straightening, placing in position of M.S. pipes and welding wherever necessary and applying one coat of redoxide primer coat to all the members including cost of all materials, labour charges, and hire charges of machineries for cutting, welding, grinding and erectiorrequipments, with all lead and lift, transportation, letc., complete as per specification (BCSR 2016-2017, Page 40, Item No 7.29)	
18	Providing and installing of pre painted Galvolume iron Trapezoidal profiled sheet of approved make 1060 mm width (1000 mm cover width), 28-30 mm crest height with crest distance of 200 mm c/c with 2 ribs at the centre for stiffening. The total coated thickness (TCT) of the sheet will be 0.47 mm +/- 0.02 mm tolerance Zinc-Alu Alloy coating AZ150 gsm as per ASTM 1397/A755-550 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 20-22 microns using self drilling/self tapping screws of 25 mm length, to be fixed over the existing purlins, rafters, channels and trusses. (BCSR 2016-2017, Page 300, Item No 38.30)	S
19	Providing and installing of approved make pre painted Galvaiume iron Accessories, like, plain, ridges, plain gutter, plain flashing, corner Trim, etc. The total coated thickness (TCT) of the sheet shall be 0.47 mm +/- 0.02 tolerance mm Zinc-Alu Alloy coating AZ150 gsm as per ASTM 1397/755 -550 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 20-22 microns using self drilling I self tapping screws of 25 mm length, (width upto 500-600 mm only), to be fixed over the existing purlins, rafters, channels / and trusses. (BCSR 2016-2017, Page 302, Item No 38.31)	S
20	KSRB 15-18.1 : Applying red lead ready mix priming coat over new steel or other metal surface including preparing the surface ' 'after throughly cleaning oil, grease, dirt and other foreign matter, and scoured with wire brushes, fine steel wool, sand papers including cost of materials, labour, complete as per specifications. (BCSR 2016-2017, Page 121, Item No 15.73)	S
21	KSRB 15-18.2 : Providing and applying enamel metal paint two coats (excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications. (BCSR 2016-2017, Page 121, Item No 15.74)	S
22	Vaccum de-watering with vaccum pump and suction mat and compaction with skin floater dubbed with floating disc including cost of generator, HOM of machinery, Screed Vibratory, Power Floater, blade and disc etc., with all lead and lift. (BCSR 2016-2017, Page 12, Item No 4.5)	S

Approved Qty	Previous Measurements		Present Measurements			Total Up to Date		Remarks
	Qty	Amount	Qty	Rate	Amount	Qty	Amount	
16800	14331.00	1702522.80	2469-2865.17	118.80	293317-340382.20	16800-17196.17	1995840-2042905.00	
495.21	351.21	292066.24	66.95	831.60	55675.62	418.16	347741.86	
12.00	0.00	0.00	0.00	799.20	0.00	0.00	0.00	
516.00	516.00	16161.12	0.00	31.32	0.00	516.00	16161.12	
516.00	516.00	45696.96	0.00	88.56	0.00	516.00	45696.96	
176.00	176.00	17107.20	0.00	97.20	0.00	176.00	17107.20	

Sl No	Item Name
23	KSRRB M2600-3. (ii) Providing & fixing 20 mm thick compressible fibre board in expansion joint complete as per drawing & Technical Specification complete as per specifications MORTH'Specification No. 2605 (BCSR 2016-2017, Page 243, Item No 31.3)
24	KSRRB M2600-5.(iv) Providing and filling joint sealing compound as per drawings and technical specifications with coarse sand and 6 per cent bitumen by weight complete as per specifications MORTH Specification No. 2605 (BCSR 2016-2017, Page 243, Item No 31.5)
25	Fabrication supplying and erecting **Basket over Prelaminated board 19 mm thick** of approved lamination on both side fixed over the pillar
26	Providing **chain link fencing** 50mm size of 8 guage properly stretched between existing rectangular poles and fixed with suitable bolts & nuts, the free ends shall be welded to the pole and block pipe at top and bottom as required including cost of all materials, labour, lead and lifts and as per the directions of the Engineer-in-charge of work including two coats of approved quality paint over one coat of shop paint (BCSR 2016-2017, Page 262, Item No 37.3)
27	Supplying and fixing **M.S. Rectangular poles** made out of 2 equal angles of 65x65x6 mm welded together and fixed in CC (1 :2:4) WITH 2 NOS 16mm dia M.S. hold fast rods each of length 25 ems. Including cost of all materials cutting, bending scaffolding wherever necessary, nicely finishing the welded joints with all lead lifts and as per the directions of the Engineer-in - charge of the work and including providing 2 coats of approved quality paint over one coat of shop painting (excluding cost of earthwork and concrete) (BCSR 2016-2017, Page 262, Item No 37.2)
28	Providing and fixing **M.S. Block pipe** of 38mm dia, of heavy guage of 14 including removing the bends, cutting the pipe, and fixing pipe in between the existing two verticle poles (M.S. rectangular poles) and spot welding the chain link with M.S. block pipe including cost of all materials wastage in cutting, and scaffolding wherever necessary with all lead and lift as directed by the Engineer-in-charge of work etc., complete including two coats of approved quality paint over one coat of shop paint (BCSR 2016-2017, Page 262, Item No 37.4)
29	KSRRB M400-17 : Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver in sub- base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications (BCSR 2016-2017, Page 158, Item No 20.18)
30	KSRB 14.6-1: Providing and laying **heavy duty cobble stones 60mm** thick interlock pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM of machineries complete as per specifications. Specification No. KBS (BCSR 2016-2017, Page 101, Item No 14.6-1)

Approved Qty	Previous Measurements		Present Measurements			Total Up to Date		Remarks
	Qty	Amount	Qty	Rate	Amount	Qty	Amount	
40.00	0.00	0.00	0.00	150.12	0.00	0.00	0.00	
40.00	0.00	0.00	40.00	24.84	993.60	40.00	993.60	
3.96	0.00	0.00	3.60	756.00	2721.60	3.60	2721.60	
352.80	352.80	251094.82	0.00	711.72	0.00	352.80	251094.82	
62.50	62.50	55282.50	0.00	884.52	0.00	62.50	55282.50	
496.00	496.00	173560.32	0.00	349.92	0.00	496.00	173560.32	
45.00	45.00	81064.80	0.00	1801.44	0.00	45.00	81064.80	
440.00	440.00	433382.40	0.00	984.96	0.00	440.00	433382.40	

Sl No	Item Name
31	Fabricating, providing and erecting in position **Hot dip galvanised Gate**. Using 72 X 72 X 4.8mm Sq. GI Pipe Frame with Top pipe bending in heavy duty hydraulic press with sand packing and hot bending to form double arch as per drawing profile, 20mm hot dip galvanised sq. rod for verticals at 150mm c/c, as shown in the drawing including providing hot dip galvanised forged ornamental design in between sq. rods and heads at top, middle and bottom. Intermediate supports of 75X12 mm and 50X6 mm arch bend to hot dip galvanised flats. The work is inclusive of throughing GI flat GI sq. rods, placing, welding all the joints including grinding, finishing metal putty, painting two coats enamel painting. The rate is inclusive of all materials like GI sq. pipe, GI sq. rods, GI forged designs etc., heavy duty hinges are made out of 75mm solid sq. block assembled with 20mm dia bearing in three places for each flop. Heavy Duty Locking arrangements at tow places including cost of labour, painting, erecting charges using hoist pulley cranes with all lead and lift, loading, transportation, unloading, scaffolding charges and all other incidental charges for successful completion of the work as per directions of the Engineer-in-charge of the work. (Data Rate)
32	Fabricating, providing and erecting in position of MS Hot Dip Galvanised Sq. Hallow Poles of 132 X 132 Heavy gauge of length 3000mm with MS. Hot dip Galvanised grill work as per approved design and drawing of chief architect. Using 12 X 75mm galvanised flat for alround frame and 20 X 20mm galvanised forged design with square for vertical at 150mm c/c as shown in the drawing including providing forged ornamental arrowhead at top and bottom. The work is inclusive of throughing flat, square rods, placing welding all the joints, including grinding, finishing 2 coats of anticorrosive paint over one coat of metal primer. The rate is inclusive of all materials like MS. Hollow galvanized pipe, flats, forged square rods, cost of labour for all items of work cost painting, welding, cutting, grinding with all lead and lift as per specification including loading and unloading with cost and conveyance of all materials, labour, machinery andincidental charges for the successful completion of the work as per the direction of the Engineer-in-charge of the work. (Data Rate)
33	KSRB-3.2: Providing and injecting chemical emulsion for Pre-constructional Anti-Termite Treatment, creating continuous chemical barrier under and around the column pits, walls, trenches, basement excavation, top surface of the plinth filling, junction of wall and floor, along the external perimeter of building, expansion joints, over the top surface of consolidated earth on which apron is to be laid, surrounding of pipes and conduits, with chloropyriphos emulsifiable concentrates of 20% concentration, including cost of chemical, diluting in water to one percent concentration, labour, HOM of equipments, complete as per specifications. (Plinth area of the building at ground floor only shall be measured) (P.No-9,I No-3.2)
34	KSRB 5-11 : Providing and constructing load bearing wall with solid concrete blocks of size 400x200x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 5.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications. KBS No.5.4 (I No-5.27.1,P No-25)

Approved Qty	Previous Measurements		Present Measurements			Total Up to Date		Remarks
	Qty	Amount	Qty	Rate	Amount	Qty	Amount	
22.73	22.73	283557.43	0.00	12475.03	0.00	22.73	283557.43	
325.38	325.38	2975320.27	0.00	9144.14	0.00	325.38	2975320.27	
511.70	511.70	56921.51	0.00	111.24	0.00	511.70	56921.51	
194.79	180.39	182547.46	8.40	1011.96	8500.46	188.79	191047.93	

Sl No	Item Name	Unit
35	KSRB 7.7 : Providing and fixing in position in cement concrete 1:3:6 steel glazed windows and ventilators side hung/top hung fully openable as per approved drawings using Z angles of 25x33x3mm, weighing 1.419 Kg/m both for outer and inner frames and central mullion section of size 25x46x3mm. weighing 2.28Kg/m duly providing T section 19x19x3mm weighing 0.839 kg/m for glazing of windows not more than 34 cms. c to c including providing and fixing 4mm. thick reeded glass with teakwood beading of required size, all steel sections should confirm to I.S 7452:1990, 4nos. of holdfasts of approved size, section should be cut to length welded and electrically grinded subdividing frames of unit shall be tenonned and revetted into the frames electrically. All the steel surface shall be throughly cleaned free of rust-and painted with one coat of anti-corosive paint and finishing with two coats of ready mix paint of approved colour and make including cost of materials, fixtures, labour and HOM of machinery complete as per specifications.(I No-7.7 P No-32)	Sqm
36	KSRB 9-2.3 :Providing Sal wood wrought and putup for purlins, common rafters and similar work including cost of materials, labour, HOM of machineries complete as per specifications. Specification No. KBS 9.27	Sqm
37	KSRB15-3-13 : Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to ceiling including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.(I No-15.21,P No-114)	Sqm
38	KSRB15-3.4 : Providing 15mm thick cement plaster in single coat with cement mortar 1:3, to brick masonry including rounding off corners wherever required smooth rendering,: Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.(I No-15.12,P No-113)	Sqm
39	KSRB15-3.9 : Providing 18mm thick cement plaster in single coat with cement mortar 1:3, to brick masonry including rounding off corners wherever required smooth rendering,: Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.(I No-5.17,P No-114)	Sqm
40	Providing applying two coats of wall putty to inside plastered walls and ceiling using white cement putty.Scrapping and levelling the surface using steel blade and preparing the surface even and smooth by using different grade sand papers, including cost of all materials,cost of labour and scaffolding etc., complete as per the specification..[P.No.126 - I. No.15.106]	Sqm
41	Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth cost of materials, labour, complete as per specifications.with primer[P.No.117 - I.No.15.51.2]	Sqm
42	KSRB 15.10.1 Providing white washing to new wall surface in two coats with lime of approved quality, to give an even shade including cost of materials, labour, complete as per specifications.(I No-15.38,P No-115)	Sqm
43	KSRB 9.5-2 : Providing and fixing in position fully panelled Honne wood shutters for doors, styles and rails of 40mm. thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, HOM of machineries complete as per specifications. (excluding cost of fixtures) Specification No. KBS 9.34	Sqm
44	Providing & applying water proofing to roof slab,terraces,landscape area,podium etc., using modified polyurethane cures (conforming to ASTM C836-84 to give a tough elastomeric waterproof membrane on the surface.The surface shall be cleaned free from dust and other particle before usage.[P.No.271 - I. No.38.2]	Sqm

Approved Qty	Previous Measurements		Present Measurements			Total Up to Date		Remarks
	Qty	Amount	Qty	Rate	Amount	Qty	Amount	
1.17	1.17	4460.51	0.00	3812.40	0.00	1.17	4460.51	
0.10	0.10	6819.23	0.00	68192.28	0.00	0.10	6819.23	
12.00	12.00	2501.28	0.00	208.44	0.00	12.00	2501.28	
52.28	52.28	11574.79	0.00	221.40	0.00	52.28	11574.79	
416.92	416.92	89154.17	0.00	213.84	0.00	416.92	89154.17	
64.28	0.00	0.00	49.17	60.48	2973.80	49.17	2973.80	
52.28	0.00	0.00	49.17	97.20	4779.32	49.17	4779.32	
146.30	0.00	0.00	44.10	8.64	381.02	44.10	381.02	
3.47	0.00	0.00	3.47	5014.44	17400.11	3.47	17400.11	
16.00	0.00	0.00	12.35	756.00	9336.60	12.35	9336.60	

Sl No	Item Name	Unit
45	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to ISI 15778 having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings,this includes jointing of pipes and fittings with one step solvent cement trenching refilling & testing of joints complete.(external work)25mm nominal OD pipes[P.No.97-I.No.13.87.2 & 5]	m
46	KSRB 11-1 : Providing and fixing white vitreous china clay, water closet Indian type (Squatting pan) of size 580mm with footrests, 100mm S or P trap, 10 litre low level, P. V.C flushing cistern (all are approved make) with fittings, C.l I M.S brackets, 32mm diameter flush pipe fittings and clamps, overflow arrangements with specials and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications.(I No-12.1,P No-77)	pan
47	KSRB 13-11.1 : Providing and placing on terrace, polyethylene water storage tanks as per IS 12701:1996 with manhole lid and suitable locking arrangements, making holes of suitable diameter for inlet, outlet and over flow pipes, including cost of all materials, labour, transport charges, HOM of equipments and testing complete as per specifications.(For 1000 litre capacity)Specification No.KBS 13.22 (I No-13.78,P No-94)	Nos
48	KSRB 8.6-5: Providing and fixing on wall surface 2.5 kg/sq.cm H.D.P.E. rain down water pipes 90 mm outer dia approved make and brand with necessary specials like shoest bends and offsets fixed with iron clamps, wall plugs, screws, including cost of materials, labour, curing complete as per specifications.(I No-8.16,P No-47)	m
49	KSRB13-6.1-1 : Providing and fixing in position brass bib cock of Each approved quality 15mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications.(I No-13.23,P No-91)	each
50	KSRB 11-11.7 : Providing and fixing white vitreous china clay, angle back wash basin size 400 x 400 mm with a single 15mm C.P brass pillar tap with C.l I M.S brackets, 32 mm C.P. brass waste of standard pattern, painting of fittings and brackets, cutting and making good the wall and floor wherever required,' including cost of materials, labour complete as per specifications. (I No-12.29,P No-81)	Unit
51	Providing and fixing to wall, ceiling and floor unplasticised PVC 6.00 kgs/sqcm working pressure with pipe fittings, wall clips etc., and making good the wall, ceiling and floor for sanitary pipelines including cost of all materials, labour charges, HOM of acquirements and testing complete as per specifications. - 110mm dia (I No-12.116.1,P No-88)	m
52	KSRB 11-18-5.1 : Providing and fixing **sand cast iron soil waste** single equal junction of required degree with access door 1 00x1 00x1 OOmm, insertion of rubber washers 3mm thick bolts and nuts, including cost of materials, labour, testing complete as per specifications. KBS 11-1.10. (Item No.12.59 Pg No.84)	Nos
53	KSRB 11-18-16.1 : Providing and fixing **sand cast iron soil waste** 152mm offsets for 100 mm pipes, including cost of materials, labour, testing complete as per specifications. Specification No. KBS 11.1.1 0 (Item No.12.86 Pg No.86)	Nos
54	Providing stoneware **gully trap** of approved quality and make fixing in M-15 and plastering with CM 1:3 wherever necessary.(Rate includes cost of all materials, fixtures and lead). (Item No.12.112-1 Pg No.88) 10 cms x 10cms	Nos
55	KSRB 11-18-1.1 : Providing and **fixing sand cast iron soil waste and vent pipes 100mm dia** with spun yarn soaked in cement slurry and cement mortar 1:2 including cost of materials, labour, testing complete as per specifications. KBS 11-1.10 (Item No. 12.47 Pg No. 83)	m

Approved Qty	Previous Measurements		Present Measurements			Total Up to Date		Remarks
	Qty	Amount	Qty	Rate	Amount	Qty	Amount	
30.00	0.00	0.00	13.00	135.00	1755.00	13.00	1755.00	
1.00	0.00	0.00	1.00	3730.32	3730.32	1.00	3730.32	
1.00	0.00	0.00	1.00	9338.76	9338.76	1.00	9338.76	
15.00	0.00	0.00	9.00	429.84	3868.56	9.00	3868.56	
2.00	0.00	0.00	2.00	249.48	498.96	2.00	498.96	
1.00	0.00	0.00	1.00	3078.00	3078.00	1.00	3078.00	
30.00	0.00	0.00	15.50	444.96	6896.88	15.50	6896.88	
1.00	0.00	0.00	0.00	1090.80	0.00	0.00	0.00	
3.00	0.00	0.00	0.00	780.84	0.00	0.00	0.00	
2.00	0.00	0.00	2.00	199.80	399.60	2.00	399.60	
10.00	0.00	0.00	0.00	760.32	0.00	0.00	0.00	

Sl No	Item Name	Unit
56	KSRB 12-1 .1 : Providing and laying in position to required level or slope 150 mm internal diameter **salt glazed stoneware pipes** grade A and jointing with stiff mixture of cement mortar in proportion of 1:1, testing of pipes and joints,including cost of materials, labour charges complete as per specifications. Specification No. KBS 12.2.5 I 12.7 (Item No. 11.12 Pg No. 70)	m
57	KSRB 12-8.1 : Constructing brick masonry **inspection chamber** 455x610mm, and 450mm depth, (clear inside dimension) for single pipeline, using table moulded non-modular bricks of class designation 50 in cement mortar 1:5, C.l cover withframe (light duty) 600 x 600 x 450 mm internal dimensions, total weight of cover with frame to be not less than 38 kg (weight of cover 23kg and weight of frame 15 kg) R.C.C. top slab with cement concrete M 15 with 20mm and downsize granite metal, foundation concrete M 5 with 40mm and downsize granite metal inside plastering 12mm thick with cement mortar 1 :3, finish smooth with a floating coat of cement on walls and bed concrete complete as per standard design including cost of materials, labour charges, curing complete as per specifications. Specification No. KBS (Item No.11.50.1 Pg No. 73)	Nos
58	KSRB 12-7.1 : Making connection of **drain or sewer line** of size 100 to 230mm external dia with existing manhole including breaking into and making good the walls, floors with cement concrete M 15 with 20mm and downsize granite metal, cement plastered on both sides of mix 1 :3, finished with a floating coat of neat cement, and making necessary channels for the drain, including cost of materials, labour charges, curing complete as per specifications. Specification No. KBS (Item No.11.47 Pg No. 73)	Nos
59	Electrical Items :- Supplying.....mm dia 2mm2.5mm thick heavy gauge **PVC conduit pipe** with suitable size bends, metal/PVC junction boxes adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures. run with 18SWG GI fish wire wherever necessary(2/2) b) 25mm dia 2mm thick (P-2, I-2b)	m
60	Groove cutting in the wall supplying ....dia 2mm/2.5mm thick heavy gauge PVC Conduit Pipe with bends, metal junction boxes adhesive paste etc., and bracing U or J hooks and cement plastering up to the surface of the brick level and run with 18 SWG GI fish wire run through out the conduit wherever necessary.(2/3) b) 25mm dia 2mm thick (P-2, I-3b)	m
61	Supply and fixing of **metal fan hook box** (P-11, I-32)	each
62	Supplying and flush mounting **teak wooden box** without front plank made of not less than 12mm thick wood, after due groove cutting, necessary masonry patch work complete. (3/6) d) 8"x6"x3" (P-3, I-6d)	each
63	Supplying and wiring adopting **loop system in existing PVC Conduit** /casing capping using copper PVC insulated multi strand 2x1.5Sqmm copper wire with a 6Amps flush type SP control switch shall be fixed on the existing plastic sheet/ gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet. (3/8) I) Point wiring using Group A Materials a) Short point up to 3Mtr from tapping point to out let via switch (P-4, I-1a)	each
64	Supply and fixing of **bakelite D.P/Socket/ switch** with/without neon indicator over existing wood board or flush mounting in plastic plates/nitches.(6/14)I) Using Group 'A' Material. I) Using Group 'A' Material. a) 32Amps Flush/project type DP switch (P-7, I-14 I a)	each
65	Wiring for lighting/power circuit using one of **PVC insulated 1100v** grade, multistrand Copper conductor single core cable in open or concealed system of wiring .(9/20) I) Group A Materials. I) Group A Materials. b) 1.5 sqmm (P-9, I-20 I b)	m

Approved Qty	Previous Measurements		Present Measurements			Total Up to Date		Remarks
	Qty	Amount	Qty	Rate	Amount	Qty	Amount	
50.00	0.00	0.00	0.00	381.24	0.00	0.00	0.00	
1.00	0.00	0.00	1.00	9670.32	9670.32	1.00	9670.32	
2.00	0.00	0.00	2.00	1872.72	3745.44	2.00	3745.44	
20.00	0.00	0.00	20.00	57.00	1140.00	20.00	1140.00	
20.00	0.00	0.00	20.00	58.00	1160.00	20.00	1160.00	
1.00	0.00	0.00	1.00	139.00	139.00	1.00	139.00	
3.00	0.00	0.00	3.00	68.00	204.00	3.00	204.00	
10.00	0.00	0.00	10.00	245.00	2450.00	10.00	2450.00	
10.00	0.00	0.00	5.00	187.00	935.00	5.00	935.00	
100.00	0.00	0.00	80.00	15.00	1200.00	80.00	1200.00	

Sl No	Item Name	Unit
66	Supplying **4mm thick plastic sheet** with necessary nitches for fixing switches regulators etc., and fixing on existing wooden or metal box using N.F. screws. (P-10, I-22)	sqm
67	Supply and fixing of **230 volts CFL lamp holder**	each
68	Supplying and fixing **cast Alluminium round or oblong type bulk head fitting** with GI wire guard, glass cover with 15Watts 230V CFL lamp as required. a) Group 'A' (P-13, 6 a)	each
69	Supplying capacitor **type ceiling fan** complete with down rod blades, shackle, canopies etc., for operation on 230 volts, and 50 cycles. Single phase AC supply conforming to ISS-374-1979 and with double ball bearing system and as per technical data approved. (23/23) I) 56" Sweep (1400mm) a) Regular model (Khaitan, Crompton Greaves, Orient, Polar, Bajaj, Havells/Usha) I) 56" Sweep (1400mm). .Item No 9.3.3, Group 'A' Pg No 84	each
70	Supplying & fixing of **Porcelain fuse channel** with cut out on existing wooden/panel using necessary nuts, bolts and washers etc., complete.(30/3) c) 63 Amps (P-32, I - 3 c)	each
71	Digging of trench of 0.6m deep x 0.50 Mtr wide refilling the trench to the required ground level and consolidating etc., complete.(As per Civil SR KSRB I-2, P-7) (68/12) a) In hard soil (P-70, I - 6 b)	m
72	Supplying and running **GI/Copper conductor** for grounding and (along with other wires in conduit system of wiring) using necessary suitable size clamps, nails, guttas/spacers etc.,Item No 7.22.3, Pg No 70	m
73	Supplying, fixing, **Wiring, earth electrode for grounding conduits,** I.C. cutouts and other equipments on the meter board using 40mm dia 2.90mm thick Gl pipe 2.5 mtr long buried in a pit .. . The pit shoutd be filled with equal proprotion of salt and charcoal 150mm alround the pipe to complete depth. The connection from the pipe to the conduit etc, is to be established through Gl wire of size as per lSI specification 7.3.3. of IS 732 using 12mm dia bolts, nuts; washers and checkouts etc, the pipe shall have 16 through holes of 122 mm dia Supplying Item No 7.1, Pg No 62	each
74	Supplying and fixing of **modular switch/ Socket/stepped electronic fan regulator/ dimmer/telephone socket etc** on existing modular switch plate.ls 3854 and IS 1293. Item No 9.2.1, Group 'A' Pg No 84	each
75	Supplying **exhaust fan** of 1440 RPM of 300mm (12") size with bracket blades complete for light duty suitable for operate on 230V 50Hz, AC Supply.Item No 9.2.1, Group 'A' Pg No 84	each
76	Providing and fixing dadoing with Glazed tiles of approved size, make & sample and of 6mm minimum thick of first quality, conforming to IS specifications, set in cement mortar 1:3 (1 cement : 3 fine sand) 10mm thick with a thin coat of cement slurry on the rough plastered surfaces including finishing the joints with matching coloured cement, oxalic acid wash, waxing, curing etc. with all lead and lift etc. complete as per the directions of the Engineer-in-charge including cost & conveyance of all materials, cost of labour for all items of work, equipment and all other incidental charges for the successful completion of the work.(I No-14.41.1,P No-106)	sqm
77	Removing and resetting of Kerb stone I:34.18	mtr
78	Providing and fixing precast solid concrete kerb stones made out of CC. 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including form work, curing including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc., complete P. No. 25 I. No.5.29.2	Nos
	Total	
	KRIDL Charges 11%	
	Grand Total	

Approved Qty	Previous Measurements		Present Measurements			Total Up to Date		Remarks
	Qty	Amount	Qty	Rate	Amount	Qty	Amount	
900.00	0.00	0.00	875.00	0.25	218.75	875.00	218.75	
4.00	0.00	0.00	4.00	83.00	332.00	4.00	332.00	
3.00	0.00	0.00	2.00	2522.00	5044.00	2.00	5044.00	
2.00	0.00	0.00	1.00	2500.00	2500.00	1.00	2500.00	
3.00	0.00	0.00	3.00	234.00	702.00	3.00	702.00	
31.00	0.00	0.00	0.00	78.00	0.00	0.00	0.00	
20.00	0.00	0.00	0.00	19.50	0.00	0.00	0.00	
2.00	0.00	0.00	2.00	2727.00	5454.00	2.00	5454.00	
6.00	0.00	0.00	6.00	286.00	1716.00	6.00	1716.00	
1.00	0.00	0.00	0.00	3654.00	0.00	0.00	0.00	
9.80	0.00	0.00	7.88	1157.76	9123.15	7.88	9123.15	
159.00	0.00	0.00	156.00	65.72	10252.32	156.00	10252.32	
140.00	0.00	0.00	140.00	385.84	54017.60	140.00	54017.60	
		17070187.00	543476-		590541.84		17660728.84	17613663-00
		1536317.00	59783-		64959.60		1601276.60	1596100-00
		18606504.00	603259-		655501.44		19262005.44	19209763-